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PTO/SB/01 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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09/23/03  
1935 U.S.  
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# UTILITY PATENT APPLICATION TRANSMITTAL

For new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

BP3036

First Inventor

Ba-Zhong Shen, Ph.D.

Title Variable modulation with LDPC (Low Density Parity Check) coding

Express Mail Label No.

EV 082608815 US

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## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g. PTO/SB/17) *(submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status. *See 37 CFR 1.27.*
3.  Specification [Total Pages **75**] *(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Pages **33**]
5. Oath or Declaration [Total Pages **3**]
  - a.  Newly executed (original or copy) *Copy from a prior application (37 CFR 1.63 (d))*
  - b.  *(for continuation/divisional with Box 18 completed)*
    - i.  **DELETION OF INVENTOR(S)** *Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).*
6.  Application Data Sheet. *See 37 CFR 1.76*

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

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7.  CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*

8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & documents(s))
10.  37 CFR 3.73(b) Statement *(when there is an assignee)*  Power of Attorney
11.  English Translation Document *(if applicable)*
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15.  Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16.  Request and Certification under 35 U.S.C. 122
17.  (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: LOA, PTO-2038 Forms for \$13.14 and \$40.....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label **34,399**  Insert customer no. or attach bar code label here  or  Correspondence address below

Name	Shayne X. Short, Ph.D.			
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Name (Print/Type) **Shayne X. Short, Ph.D.** Registration No. (Atty/Agent) **45,105**

Signature **SKShort** Date **9/23/2003**

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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S. PTO

# Fee Transmittal for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1354.00)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Ba-Zhong Shen, Ph.D.
Examiner Name	
Group Art Unit	
Atty Docket No.	BP3036

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number   
Deposit Account Name

Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17  
 Applicant claims small entity status.  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Fee Description	Fee Paid
Utility filing fee	750.00
Design filing fee	
Plant filing fee	
Reissue filing fee	
Provisional filing fee	
<b>SUBTOTAL(1)</b>	<b>(\$ 750.00)</b>

## 2. EXTRA CLAIM FEES Fee From Below

Extra Claims	Fee Paid
Total Claims 42 -20** 22 X 18 = 396.00	
Independent Claims 5 -3** 2 X 84 = 168.00	
Multiple Dependent <input type="text"/> = <input type="text"/>	

Fee Description  
Claims in excess of 20  
Independent claims in excess of 3  
\*\*Reissue independent claims over original patent  
\*\*Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 564.00)

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3.. ADDITIONAL FEES

## Fee Description

Surcharge-late filing fee or oath  
Surcharge- late provisional filing fee or or cover sheet

## Non-english specifications

For filing a request for ex parte reexamination  
Requesting publication of SIR prior to Examiner action

Requesting publication of SIR after Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

Notice of Appeal

Filing a brief in support of appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive unintentional

Utility Issue Fee (or reissue)

Design Issue Fee

Plant Issue Fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submissions of Information Disclosure Stmt

Recording each patent assignment per property (times number of properties)

\$40.00

Filing a submission after final rejection (37 CFR 1.129(a))

For each additional invention to be examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited Examination of design applicat

Other fee (specify)

Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$40.00

## SUBMITTED BY

## Complete (if applicable)

Name (Print Type)	Shayne X. Short, Ph.D.	Registration No. (Attorney/Agent)	45,105	Telephone	(512) 825-1145
Signature	<i>Shayne X. Short</i>			Date	9/23/2003

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